A-dec/W&H EA-40LT Electric Micromotor

Quick Start Guide

Before Use

CAUTION: Federal law restricts this device to sale by or on the order of a dentist, physician or any other practitioner licensed by the law of the State in which he or she practices to use or order the use of the device.

- Check the motor for damage and loose parts before and between uses.
- Check that air and water coolant spray are set correctly.

Install the Motor

1. Position the motor connection tubes with the connection openings on the handpiece tubing.
2. Press the motor and the tubing together until you hear two clicks.
   If the motor fails to connect, remove it from the tubing. Push back the tubing nut to the stop and repeat steps 1 and 2.
3. Check that the motor has engaged the tubing securely. The motor and tubing should not separate with a gentle pull.

Install the Handpiece

CAUTION: Do not connect or remove the handpiece while the motor is running.

- Push the handpiece onto the motor. If the handpiece is fiber optic, be sure to line up the notch.
- Check for a secure hold on the motor. The handpiece should not come off with a gentle pull.

Test Run

- Start the motor by depressing the foot control.
- If you observe vibrations, unusual noise, heating, smell or leakage, contact your Authorized A-dec Dealer for assistance.

Program the Touchpad

1. Press and hold a program key (M1, M2, M3) while adjusting the speed up or down with the + and – keys.
2. When the speed value is not changed for more than 3 seconds, it is stored to that corresponding program key.
3. Press the ↻ key to change the motor direction. In clockwise operation, the display is static. In counterclockwise operation, the display flashes. After three seconds, the direction is stored. Changing the motor direction will affect all three programs.
4. Change from one program to the other by pressing the program keys, M1, M2 or M3.
5. Press all three program keys at the same time to restore the factory settings.

Clean and Disinfect the Motor

1. Wear protective gloves.
2. Remove the handpiece from the motor by pulling the two apart.
3. Carefully wipe the exterior of the micromotor with a soft cloth using only commercially available surface disinfectants or 80% ethyl alcohol.
4. Dry the motor completely.

Sterilize the Motor

1. Purge the water lines with air.
2. Remove the motor from the tubing by pushing the tubing sheath back up to the stop while pulling the motor off the handpiece tubing.
3. Place the motor in sterile goods packaging.
4. Sterilize the motor in a water steam sterilizer with vacuum for 10 minutes at 134 °C (273 °F).
5. Be sure the motor is dry before removing from the sterilizer.

To Obtain Support

1. Refer to *How to Troubleshoot the EA-40LT Electric Micromotor* on the back of this page.
2. Contact A-dec Inc.: 2601 Crestview Drive, Newberg, OR, USA 97132
   Tel: 1-800-547-1883 Within USA/Canada
   Tel: 1-503-538-7478 Outside USA/Canada
   www.a-dec.com

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85.2650.00 Rev A

How to Troubleshoot the EA-40LT Electric Micromotor

Use the following table to troubleshoot the micromotor.

Table 1 How to Troubleshoot the EA-40LT Electric Micromotor

If this problem occurs...	Possible cause...	Try these solutions...
Motor does not function	A component is malfunctioning	Replace problem motor with known good motor. If known good motor runs, send problem motor to A-dec. If known good motor does not run, contact an Authorized A-dec Dealer.
Light is not working	Bulb is burned out	Replace light bulb
Touchpad is not working	Component malfunction	Contact an Authorized A-dec Dealer
Motor gets warm	Possible air coolant failure	Contact an Authorized A-dec Dealer
Motor lacks cutting power with carbide burs	Motor is in reverse	Change setting on touchpad to “forward”
Water leaking between motor and handpiece	Defective O-rings	Change all three O-rings
Water leaking between motor and tubing	Defective O-ring in tubing insert	Change tubing insert

Warranty

A-dec warrants its products against defects in material or workmanship for one year from time of delivery. A-dec’s sole obligation under the warranty is to provide parts for the repair, or at its option, to provide replacement product (excluding labor). The buyer shall have no other remedy. All special, incidental, and coincidental damages are excluded. Written notice of breach of warranty must be given to A-dec within the warranty period. The warranty does not cover damage resulting from improper installation or maintenance, accident, or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting, or sterilization chemicals and processes. The warranty also does not cover light bulbs. Failure to follow instructions provided in the A-dec Owner’s Guide (operation and maintenance instructions) may void the warranty.

A-dec warrants A-dec dental chair cylinders, both lift and tilt, for ten years from the date of purchase of the chair or the cylinder. This warranty is retroactive to A-dec chair cylinders already in the field. The warranty covers chair cylinders A-dec finds to have manufacturing related irregularities. Stool cylinders are covered under A-dec's one-year warranty.

No other warranties as to merchantability or otherwise are made.

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